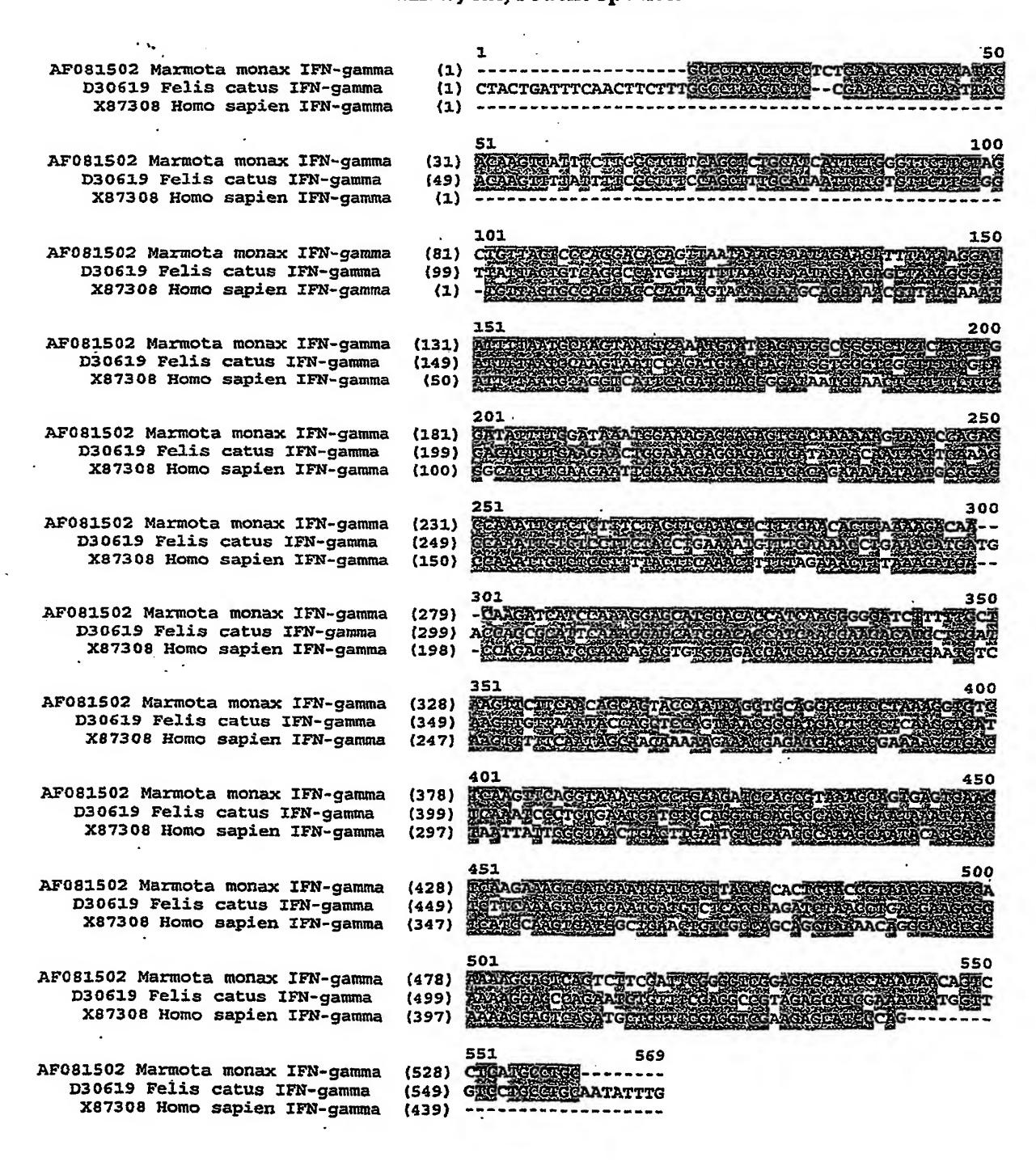
• .--

Figure 42

Figure 42: An alignment of the IFN-gamma nucleotide sequences from human, cat, rodent species.



Gigal/MatrixTM Applica

- Enzyme Discovery & C
 Whole Cell Engineering
 Small Molecules
 Protein Therapeutics
- Antibodies
- Sequencing
 - SMP's
- Proteomics
 RNA Dynamics
- Combi-Chem
- Compound Libra



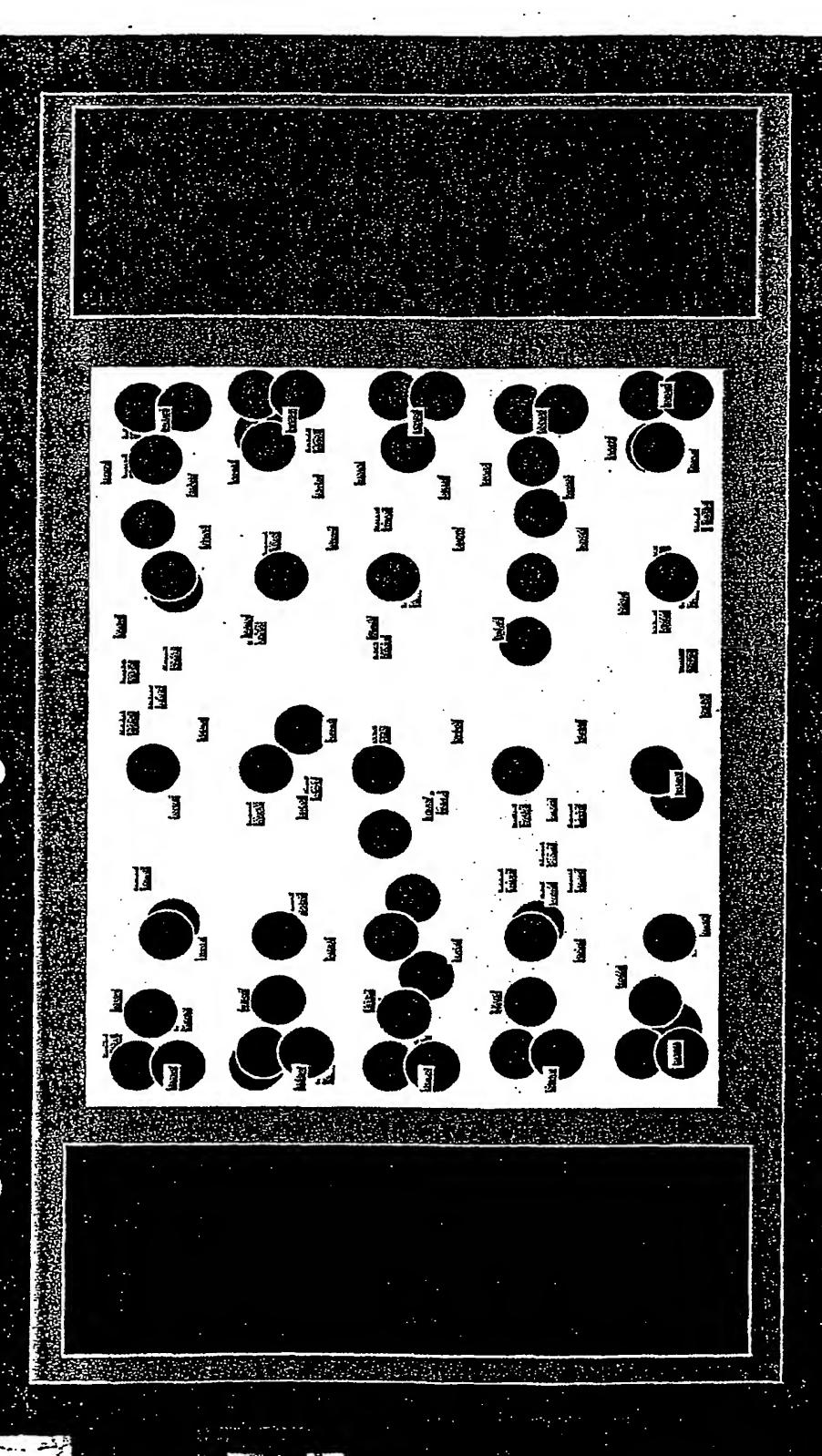






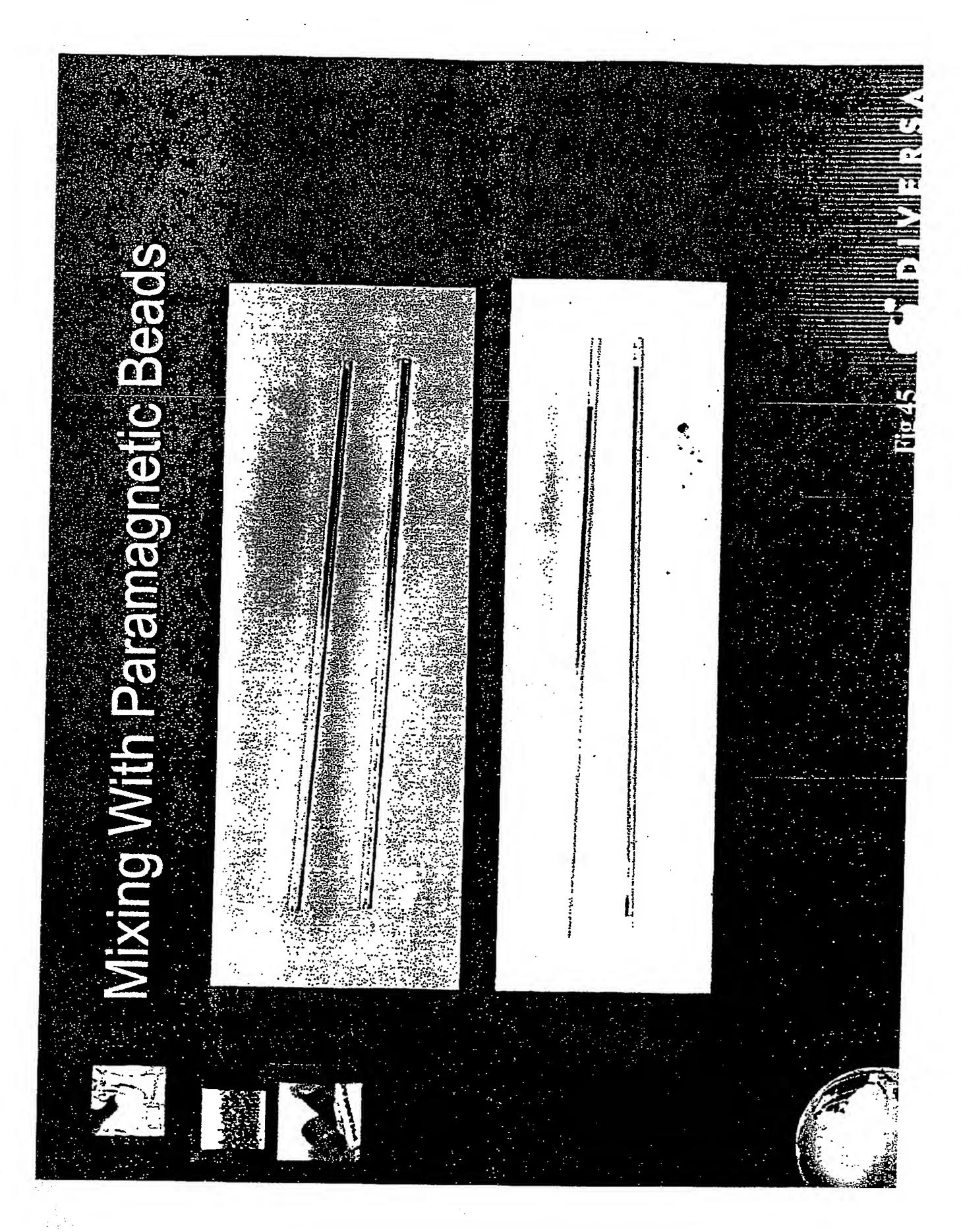






- Reduced detection times
- Promote cell growth
 Uniformity



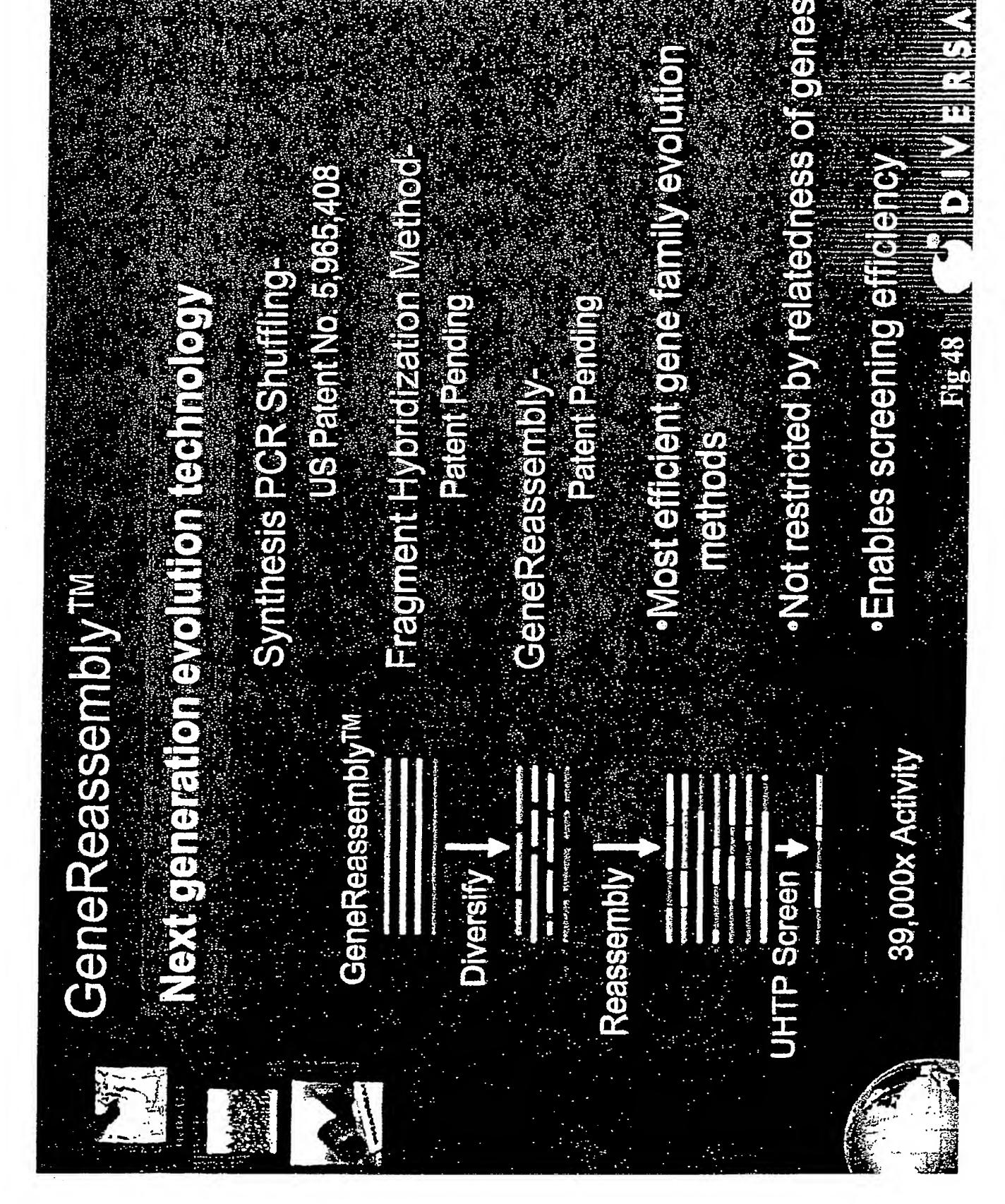


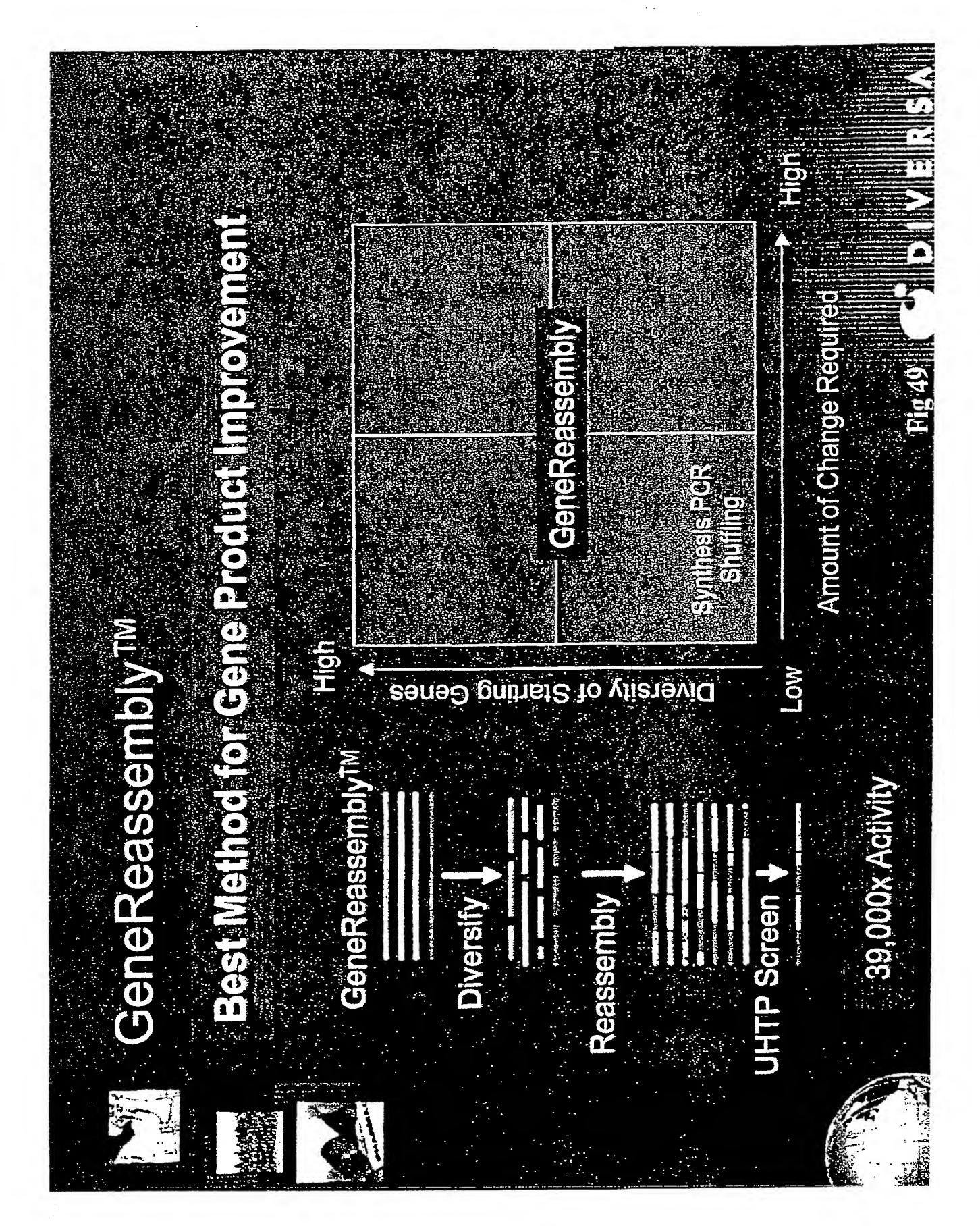
	(m) *emulo*	250	*	0.5	0.007	
	Wells/Plate	125,000	2,000,000	8,000	128,000,000	* 40:1 len
	Diameter (µm)	200	20	2	2	
Gigarvan	Application	Prototype	Nonlimiting Example: Mammalian	Nonlimiting Example: Bacterial	Nonlimiting Example:	

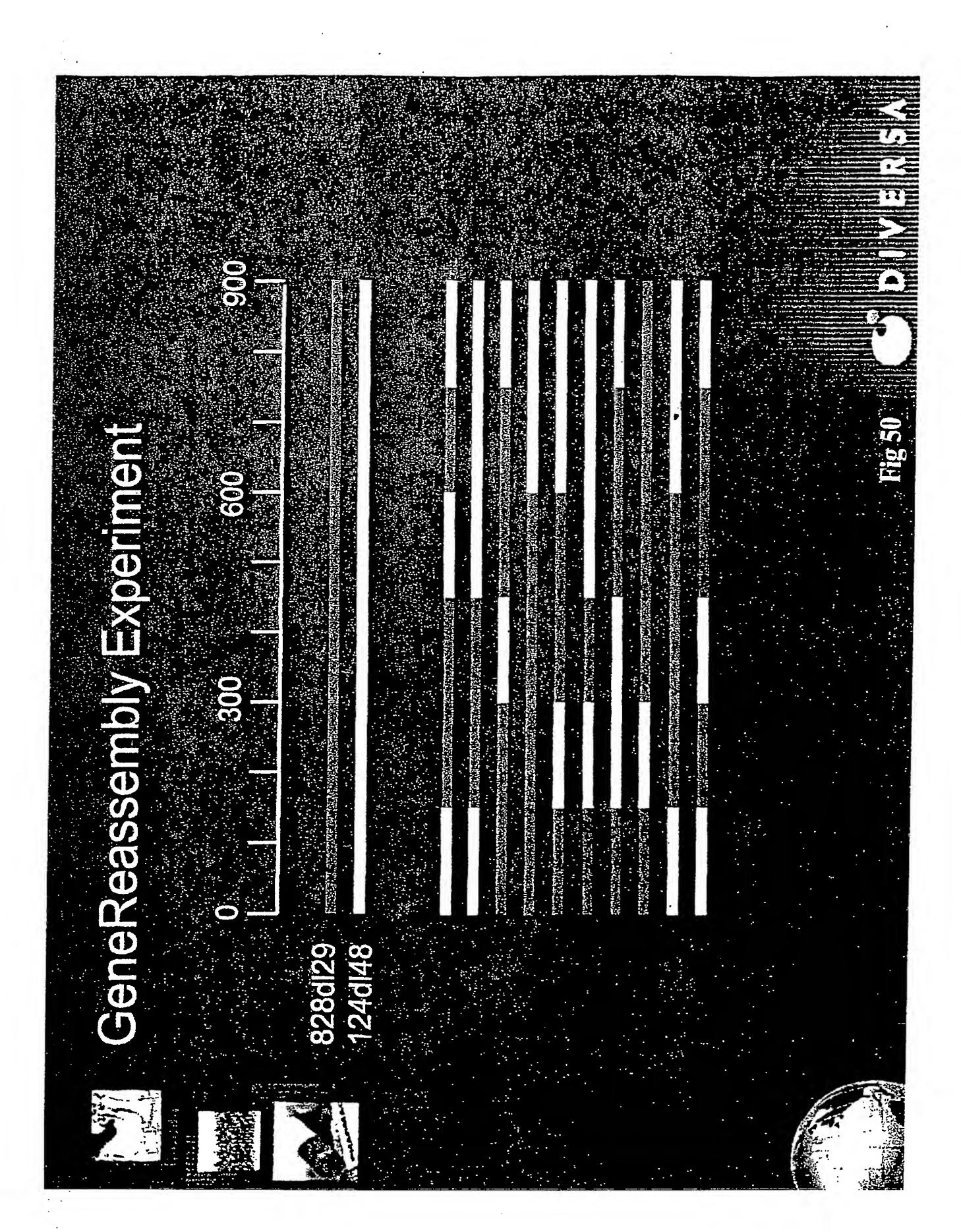
Gene Site Satu

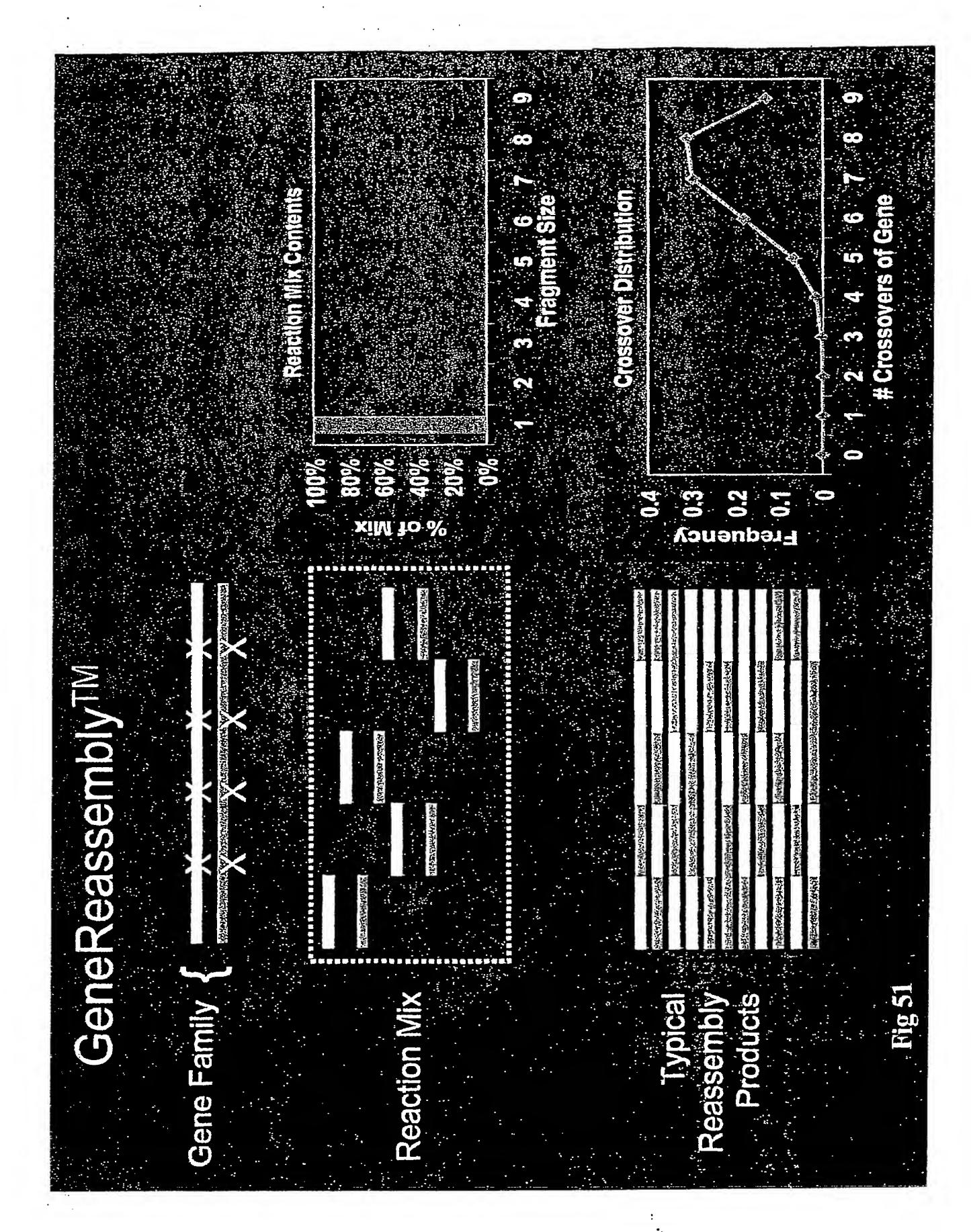
GSSM

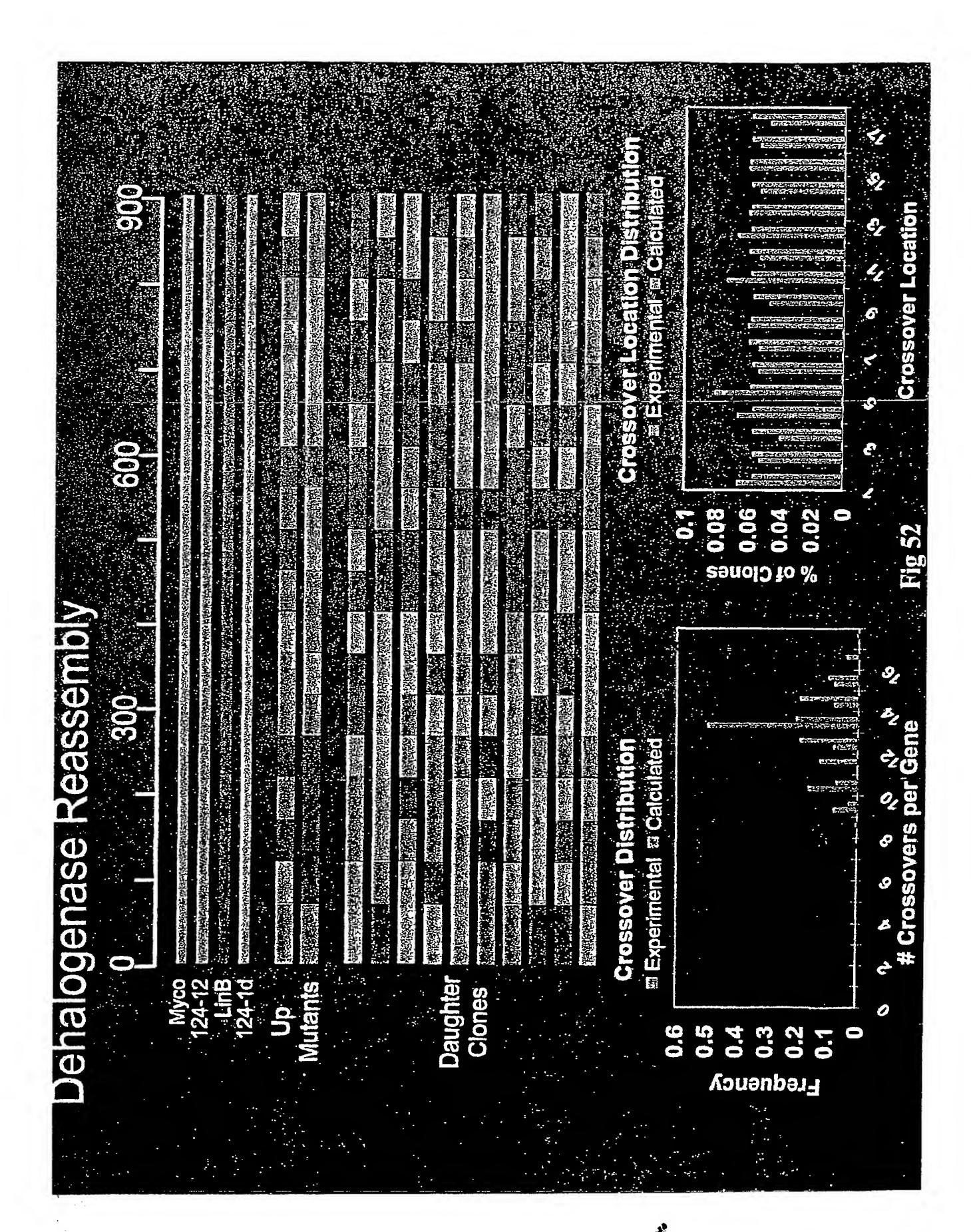
Combine Mutations

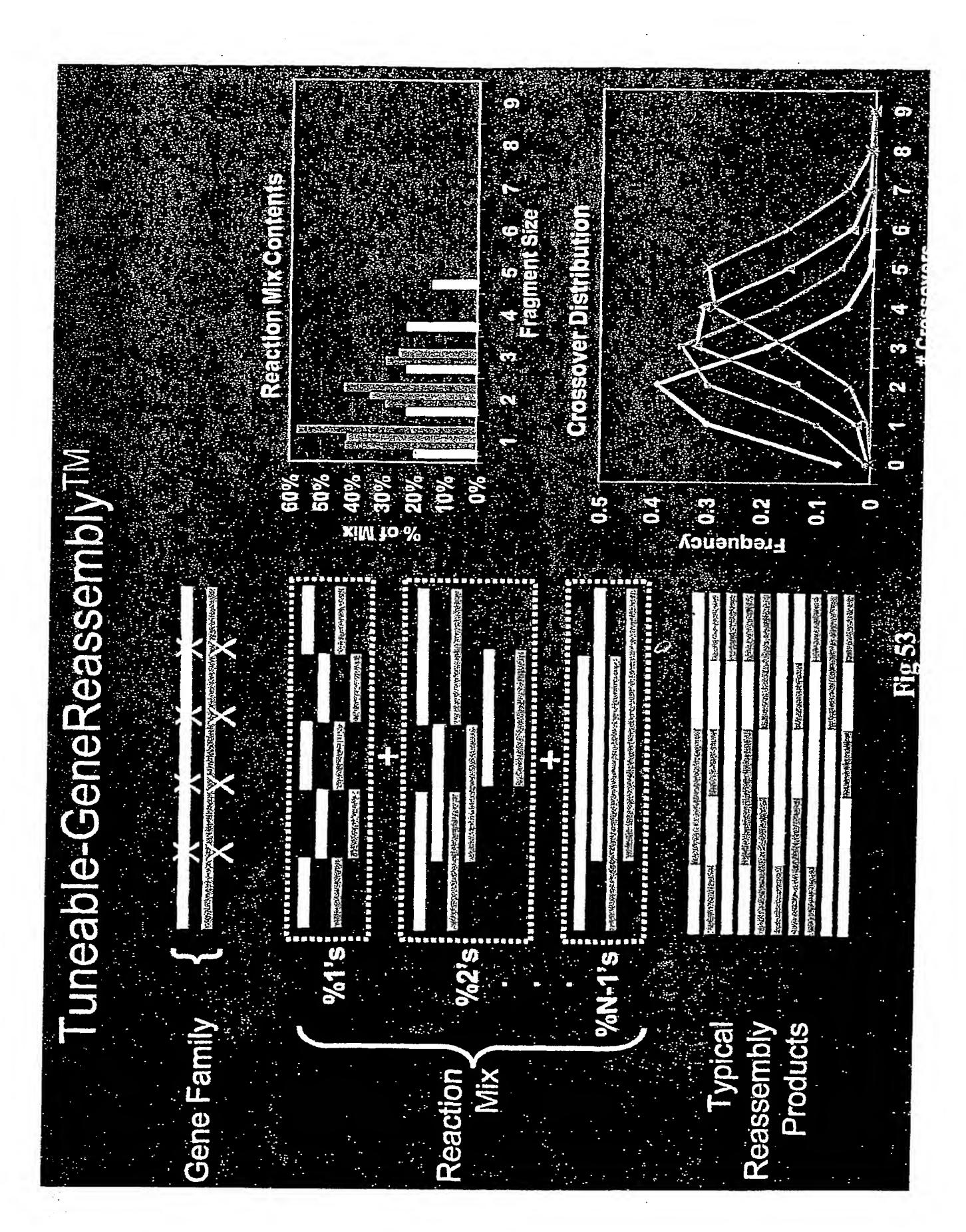




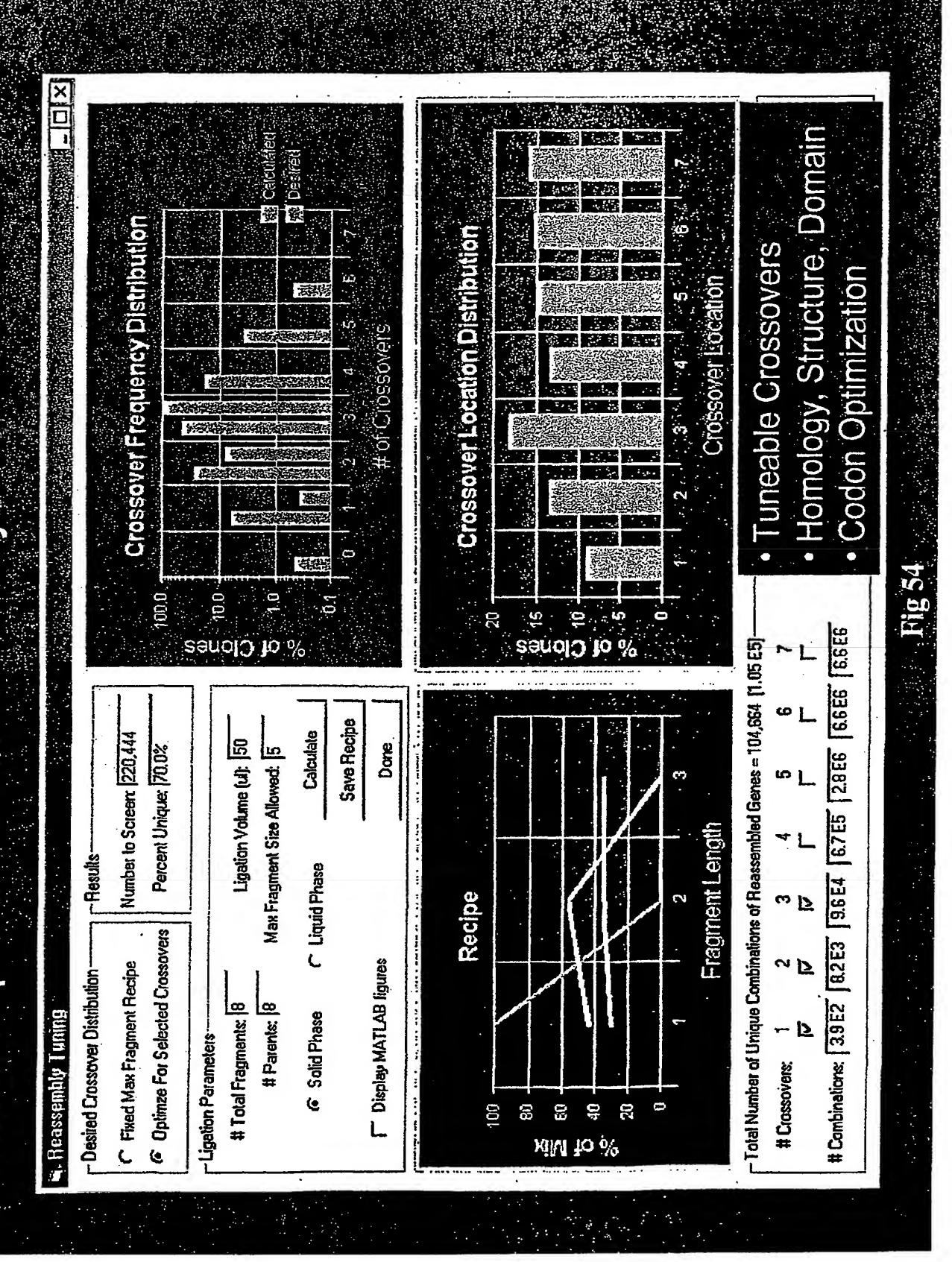


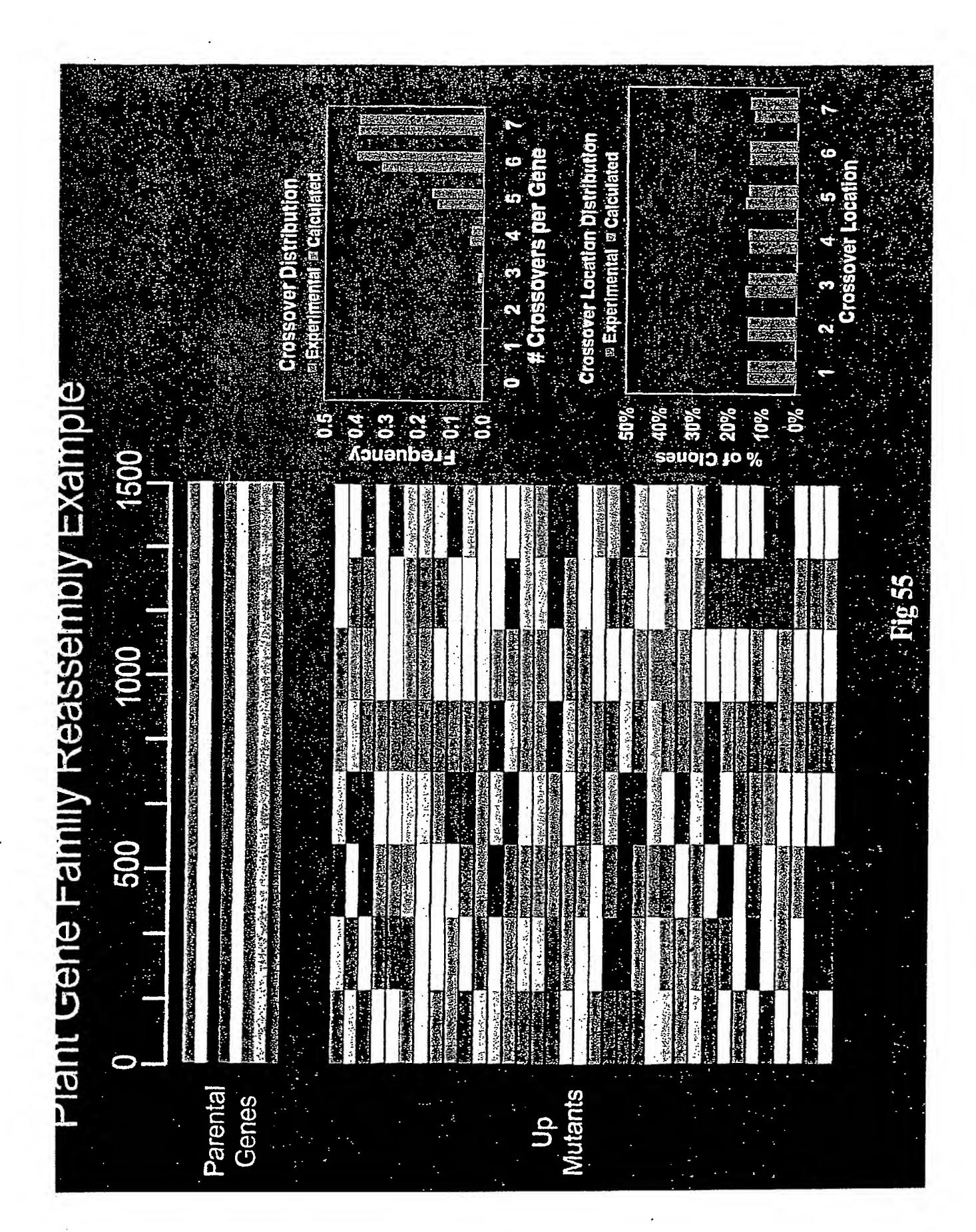


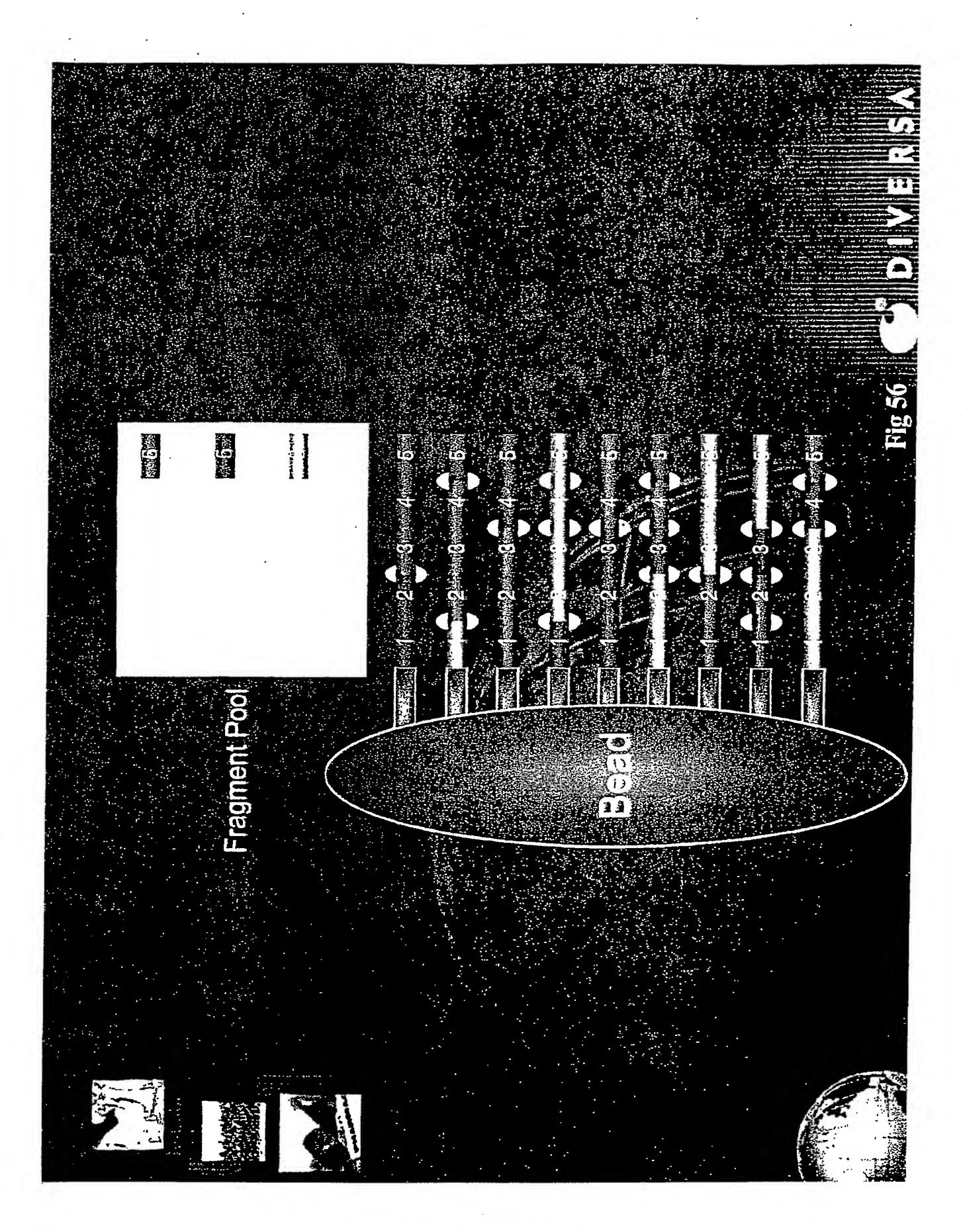




moly control Softwelle DNACarpenter







GigaMatrixTM











GeneReasser

GSSMT

Whole Cell Evolution









- Non-human or partial Transgenic models h
- Slow process
- Suboptimal affinit
- Dependent upon pl
- Low manufacturing



















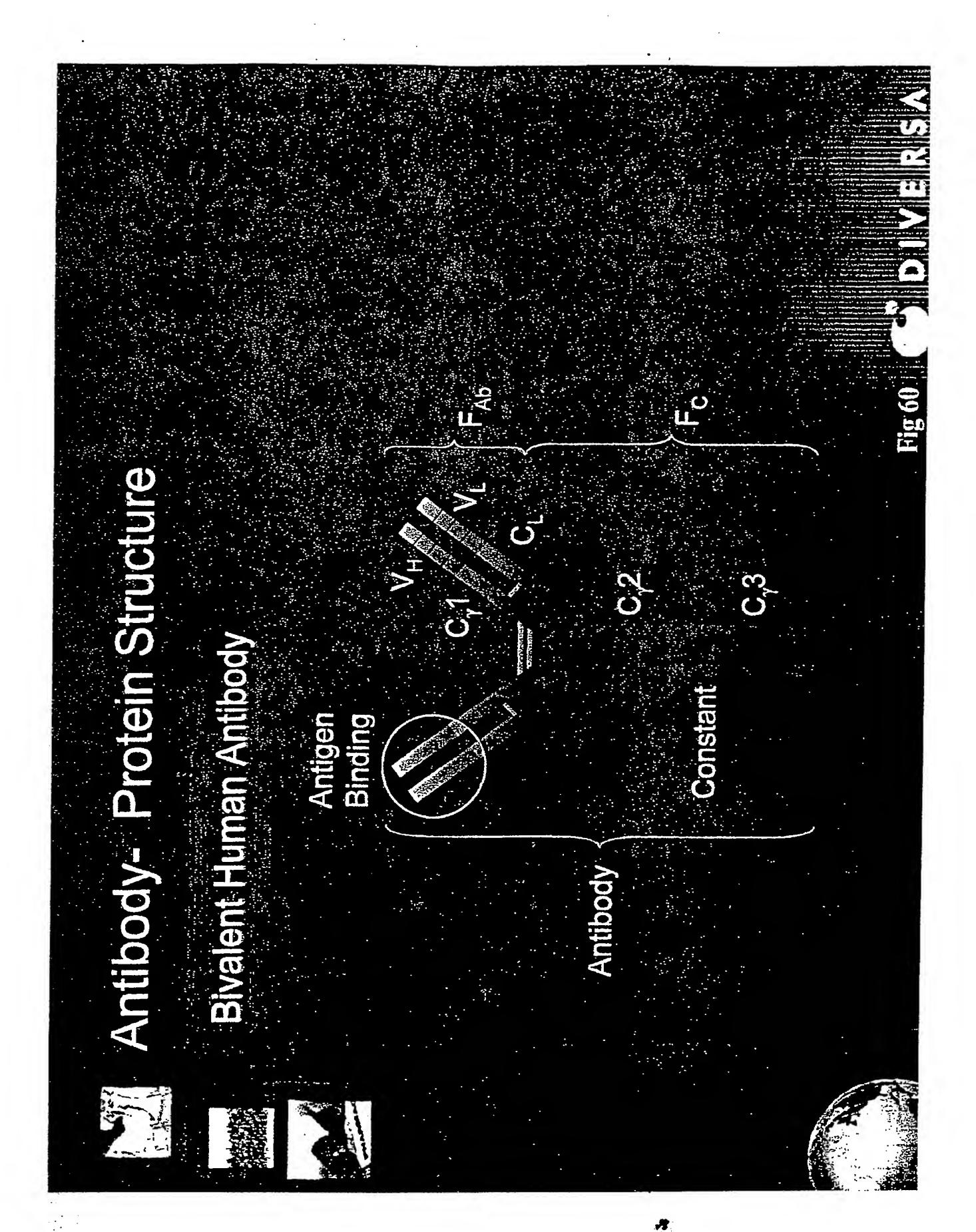


iversa's









			= 14,400		- 1,500		= 500	
	neration		7		Q		2	Fig 61
	Antibody Ge	2-14 a a a DHI-12						
Pharmaceurice	Synthetic Human,	-95 amino acids	~300	VK1-300+	~300	W IN W W W W W W W W W W W	~100	

FH ntilbody V-Regio Heavy-chair Vre Villideliev

Antibody Varial

region /

CDR1 C

Light-chain V region (1 of 2

FRZ

FR1

Light-chain V region

Light-chain V region

species, ar

*Additional permutations possi from Framework region



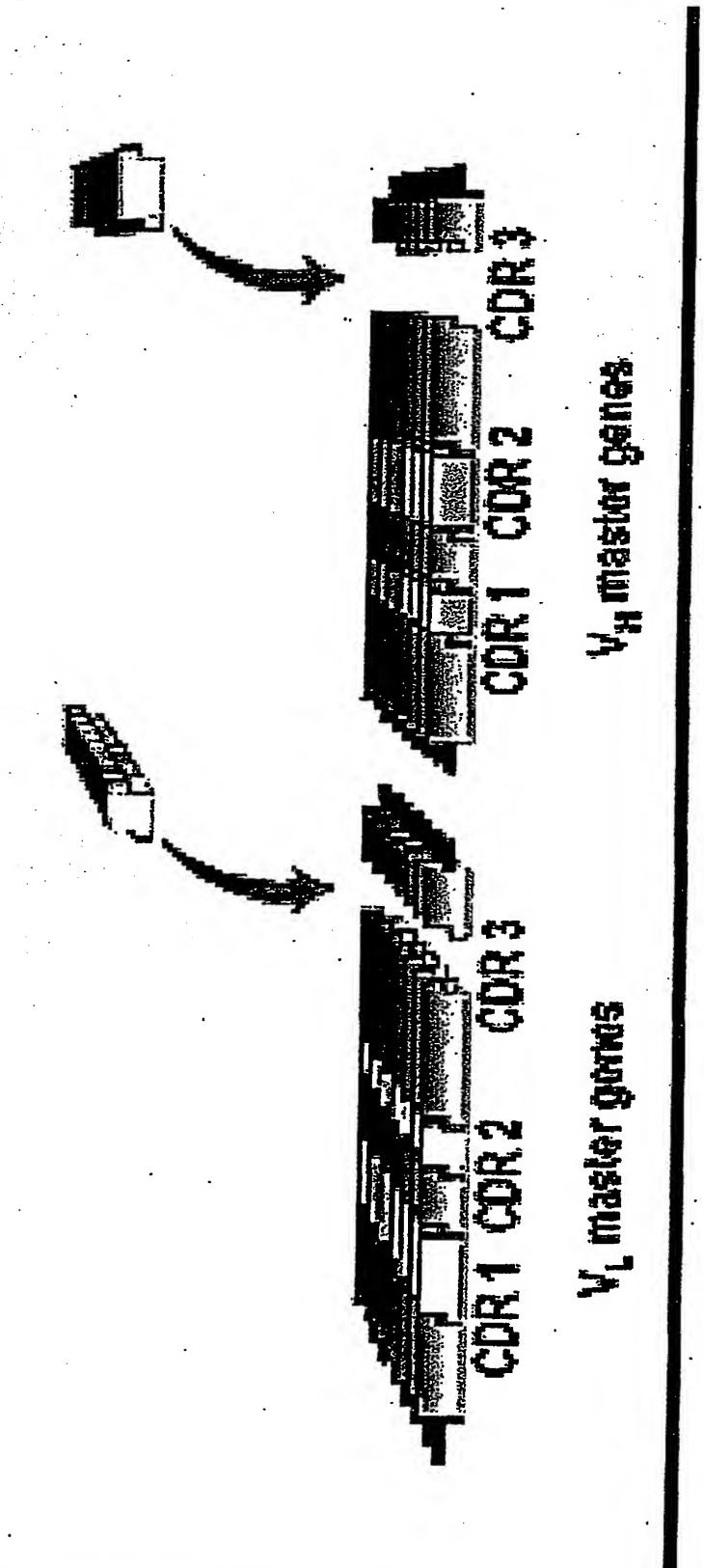












if frameworks covering struct do fumbra arriba Completely modu

De novo Antibody Libraries

• GSSM • Reassembly

